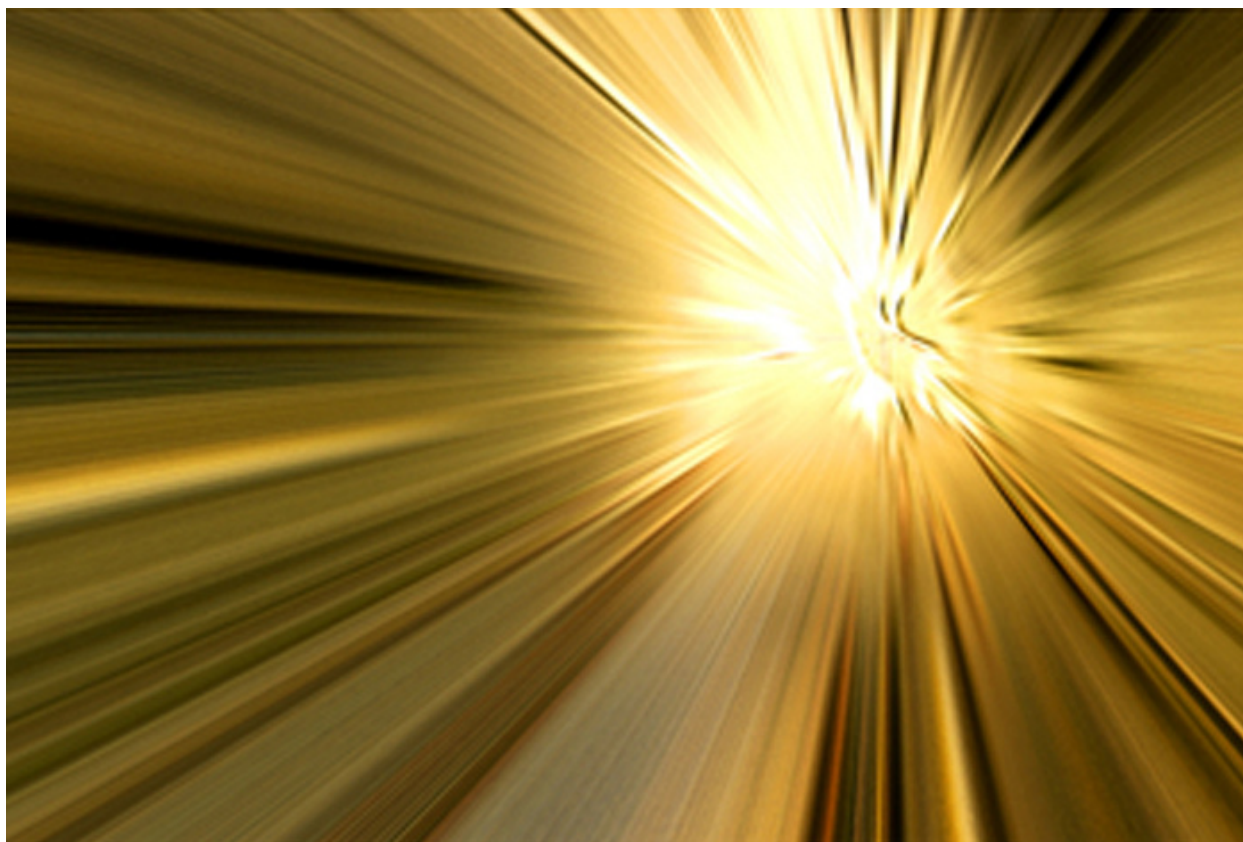




Improving consumer value through enhanced performance around the world

April 3, 2012



Billion dollar manufacturing savings and new manufacturing jobs in the U.S result from LANL reliability engineering

The Procter and Gamble Company (P&G) develops and launches consumer product innovations focused on improving consumer value through enhanced performance around the world.

Reliability Technology (RT) is a comprehensive reliability engineering system developed by P&G to increase the overall fraction of productive manufacturing time, or “uptime” for its internal manufacturing lines.

RT is based on statistical tools from the Los Alamos National Laboratory, co-developed under a cooperative R&D agreement started more than a decade ago. The genesis for the system came from the large amount of runtime data collected on P&G's manufacturing lines, coupled with the Laboratory's interest in testing advanced statistical theory with real-world data.

Today, P&G is adapting the RT approach into other advanced manufacturing sectors, including an experiment to apply the method to LANL's plutonium re-processing program. They are demonstrating that the "uptime" perspective that was statistically formalized at a DOE laboratory has the power to transform many areas of U.S. manufacturing, and then return to its source to help reduce costs in the interest of U.S. national security.

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